

MATERIAL SAFETY DATA SHEET

Sikadur 31, Hi Mod Gel - Part A

HMIS

HEALTH	2
FLAMMABILITY	1
REACTIVITY	0
PERSONAL PROTECTION	C

1. Product And Company Identification

Supplier

Sika Corporation
201 Polito Ave
Lyndhurst, NJ 07071

Company Contact: EHS Department
Telephone Number: 201-933-8800
FAX Number: 201-933-9379
Web Site: www.sikausa.com

Manufacturer

Sika Corporation
201 Polito Ave
Lyndhurst, NJ 07071

Company Contact: EHS Department
Telephone Number: 201-933-8800
FAX Number: 201-933-9379
Web Site: www.sikausa.com

Supplier Emergency Contacts & Phone Number

CHEMTREC: 800-424-9300
INTERNATIONAL: 703-527-3887

Manufacturer Emergency Contacts & Phone Number

CHEMTREC: 800-424-9300
INTERNATIONAL: 703-527-3887

Issue Date: 04/15/2003

Product Name: Sikadur 31, Hi Mod Gel - Part A
CAS Number: Not Established
Chemical Family: Modified Epoxy Resin
MSDS Number: 2665
Product Code: 0390130

2. Composition/Information On Ingredients

Ingredient Name	CAS Number	Percent Of Total Weight
AROMATIC HYDROCARBON BLEND	Trade Secret	
CALCIUM CARBONATE	471-34-1	
MODIFIED EPOXY RESIN	Trade Secret	
NONYLPHENOL	25154-52-3	
SILICA, QUARTZ	14808-60-7	

Note: Exposure to silica, quartz is applicable only if cured with Part "B" and sanded.

3. Hazards Identification

Eye Hazards

May cause eye irritation.

Skin Hazards

May cause skin irritation. May cause skin sensitization.

MATERIAL SAFETY DATA SHEET

Sikadur 31, Hi Mod Gel - Part A

3. Hazards Identification - Continued

Ingestion Hazards

Harmful if swallowed.

Inhalation Hazards

May cause nose, throat, and lung irritation.

4. First Aid Measures

Eye

Rinse eyes thoroughly with water for at least 15 minutes. Consult physician.

Skin

In case of contact, immediately flush skin with plenty of water for at least 15 minutes.

Ingestion

Dilute with water. If swallowed, do not induce vomiting unless directed to do so by medical personnel.

Inhalation

If not breathing, give artificial respiration, seek medical attention.

5. Fire Fighting Measures

Flash Point: >213 °F >101 °C

Fire And Explosion Hazards

None Known.

Extinguishing Media

In case of fire, use water spray (fog) foam, dry chemical, or CO2.

Fire Fighting Instructions

Firefighters should wear self-contained breathing apparatus and full protective gear.

6. Accidental Release Measures

Avoid release to the environment. Use appropriate personal protective equipment (PPE). Contain spill and collect with absorbent material and transfer into suitable containers. Ventilate enclosed area.

7. Handling And Storage

Handling And Storage Precautions

Store in a cool area. Keep containers tightly closed. Keep away from ignition sources. Protect from heat and direct sunlight.

Work/Hygienic Practices

Wash thoroughly with soap and water after handling.

8. Exposure Controls/Personal Protection

Engineering Controls

Use with adequate general and local exhaust ventilation.

Eye/Face Protection

Safety glasses with side shields or goggles.

Skin Protection

Chemical-resistant gloves. Lab coat or other work clothing to prevent skin exposure. Launder before reuse.

Respiratory Protection

A respirator protection program that meets 29 CFR 1910.134 requirement must be followed whenever workplace conditions warrant a respirator's use. In areas where the Permissible Exposure Limits are exceeded, use a

MATERIAL SAFETY DATA SHEET

Sikadur 31, Hi Mod Gel - Part A

8. Exposure Controls/Personal Protection - Continued

Respiratory Protection - Continued

properly fitted NIOSH-approved respirator.

Other/General Protection

Wash thoroughly after handling.

Ingredient(s) - Exposure Limits

CALCIUM CARBONATE

ACGIH TLV-TWA 10 mg/m³

OSHA PEL-TWA 15 mg/m³

OSHA PEL-TWA 5 mg/m³

SILICA, QUARTZ

ACGIH TLV-TWA 0.1 mg/m³ (Notice of Intended Change)

ACGIH TLV-TWA 0.05 mg/m³ (Proposed)

OSHA PEL-TWA 30/%SiO₂+2 mg/m³

OSHA PEL-TWA 10/%SiO₂+2 mg/m³

OSHA PEL-TWA 250/%SiO+5 mppcf

9. Physical And Chemical Properties

Appearance

Yellowish Liquid

Odor

Characteristic

Chemical Type: Mixture

Physical State: Liquid

Packing Density: 1.1 g/cm³

Solubility: Insoluble

Evaporation Rate: Slower than ether

10. Stability And Reactivity

Stability: Stable

Hazardous Polymerization: Will not occur

Conditions To Avoid (Stability)

None known

Incompatible Materials

None when stored and handled according to prescribed instruction.

11. Toxicological Information

Eye Effects

Irritation

Skin Effects

Sensitization/allergic reaction possible.

Conditions Aggravated By Exposure

Eye disease, skin disorders and allergies, chronic respiratory disease

Ingredient(s) - Carcinogenicity

SILICA, QUARTZ

NTP - Listed On The National Toxicology Program

Listed In The IARC Monographs

MATERIAL SAFETY DATA SHEET

Sikadur 31, Hi Mod Gel - Part A

12. Ecological Information

Do not allow to enter waste water drians, waterways, or soil.

13. Disposal Considerations

Dispose in accordance with applicable federal, state and local government regulations.

14. Transport Information

Proper Shipping Name

Not regulated by the USDOT.

15. Regulatory Information

U.S. Regulatory Information

All ingredients of this product are listed or are excluded from listing under the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

SARA Hazard Classes

Acute Health Hazard
Chronic Health Hazard

SARA Section 313 Notification

This product does not contain any ingredients regulated under Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 or 40 CFR 372.

State Regulations

WARNING: This product contains a chemical known to the State of California to cause cancer, birth defects, or other reproductive harm.

Ingredient(s) - State Regulations

CALCIUM CARBONATE
Pennsylvania - Workplace Hazard
NONYLPHENOL
Pennsylvania - Workplace Hazard
Massachusetts - Hazardous Substance
SILICA, QUARTZ
New Jersey - Workplace Hazard
Pennsylvania - Workplace Hazard
California - Proposition 65
Massachusetts - Hazardous Substance

16. Other Information

HMIS Rating

Health: 2

Fire: 1

Reactivity: 0

PPE: C

Revision/Preparer Information

MSDS Preparer: EHS Department

This MSDS Supersedes A Previous MSDS Dated: 04/15/2003

M A T E R I A L S A F E T Y D A T A S H E E T

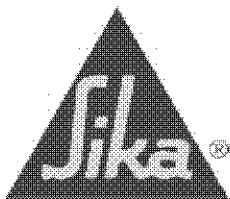
Sikadur 31, Hi Mod Gel - Part A

Disclaimer

The data in this Material Safety Data Sheet relates only to the specific material herein and does not relate to use in combination with any other material or in any process. The information set forth herein is based on technical data that Sika believes to be reliable as of the date hereof. Since conditions of use are outside our control, we make no warranties, express or implied and assume no liability in connection with any use of this information. Nothing herein is to be taken as a license to operate under or a recommendation to infringe any patents.

SIKA CORPORATION

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MATERIAL SAFETY DATA SHEET

Sikadur 31, Hi Mod Gel - Part B

HMIS

HEALTH	3
FLAMMABILITY	1
REACTIVITY	0
PERSONAL PROTECTION	C

1. Product And Company Identification

Supplier

Sika Corporation
201 Polito Ave
Lyndhurst, NJ 07071

Company Contact: EHS Department
Telephone Number: 201-933-8800
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Supplier Emergency Contacts & Phone Number

CHEMTREC: 800-424-9300
INTERNATIONAL: 703-527-3887

Manufacturer Emergency Contacts & Phone Number

CHEMTREC: 800-424-9300
INTERNATIONAL: 703-527-3887

Issue Date: 04/16/2003

Product Name: Sikadur 31, Hi Mod Gel - Part B
CAS Number: Not Established
Chemical Family: AMINE
Chemical Formula: RMF-1349
MSDS Number: 2667
Product Code: 0390140

2. Composition/Information On Ingredients

Ingredient Name	CAS Number	Percent Of Total Weight
AROMATIC HYDROCARBON BLEND	68477-31-6	
BENZYL ALCOHOL	100-51-6	
CALCIUM CARBONATE	471-34-1	
NONYL PHENOL	84852-15-3	
PROPRIETARY BLEND OF CYCLIC & ALIPHATIC AMINES	Trade Secret	
SILICA, QUARTZ	14808-60-7	

Note: Exposure to silica, quartz is applicable only if cured with Part "A" and sanded.

MATERIAL SAFETY DATA SHEET

Sikadur 31, Hi Mod Gel - Part B

3. Hazards Identification

Eye Hazards

May cause eye irritation. May cause irreversible eye damage.

Skin Hazards

May cause skin irritation and severe skin burns. May cause skin sensitization.

Ingestion Hazards

Harmful if swallowed.

Inhalation Hazards

May cause nose, throat, and lung irritation. Lung sensitizer.

4. First Aid Measures

Eye

Rinse eyes thoroughly with water for at least 15 minutes. Consult physician.

Skin

In case of contact, immediately flush skin with plenty of water for at least 15 minutes.

Ingestion

If victim is fully conscious, give one or two cups of water or drink. If swallowed, do not induce vomiting unless directed to do so by medical personnel. Call a physician immediately.

Inhalation

Remove to fresh air. If not breathing, give artificial respiration, seek medical attention.

5. Fire Fighting Measures

Flash Point: >220 °F

Autoignition Point: N/AV °F

Fire And Explosion Hazards

Exposure to heat builds up pressure in closed containers.

Extinguishing Media

In case of fire, use water spray (fog) foam, dry chemical, or CO2.

Fire Fighting Instructions

Firefighters should wear self-contained breathing apparatus and full protective gear.

6. Accidental Release Measures

Avoid release to the environment. Use appropriate personal protective equipment (PPE). Contain spill and collect with absorbent material and transfer into suitable containers. Ventilate enclosed area.

7. Handling And Storage

Handling And Storage Precautions

Store in a cool, dry, well ventilated area. Keep containers tightly closed.

Work/Hygienic Practices

Wash thoroughly with soap and water after handling.

8. Exposure Controls/Personal Protection

Engineering Controls

Use with adequate general and local exhaust ventilation.

MATERIAL SAFETY DATA SHEET

Sikadur 31, Hi Mod Gel - Part B

8. Exposure Controls/Personal Protection - Continued

Eye/Face Protection

Safety glasses with side shields or goggles.

Skin Protection

Chemical-resistant gloves. Lab coat or other work clothing to prevent skin exposure.

Respiratory Protection

A respirator protection program that meets 29 CFR 1910.134 requirement must be followed whenever workplace conditions warrant a respirator's use. In areas where the Permissible Exposure Limits are exceeded, use a properly fitted NIOSH-approved respirator.

Other/General Protection

Wash thoroughly after handling.

Ingredient(s) - Exposure Limits

CALCIUM CARBONATE

ACGIH TLV-TWA 10 mg/m³

OSHA PEL-TWA 15 mg/m³

OSHA PEL-TWA 5 mg/m³

SILICA, QUARTZ

ACGIH TLV-TWA 0.1 mg/m³ (Notice of Intended Change)

ACGIH TLV-TWA 0.05 mg/m³ (Proposed)

OSHA PEL-TWA 30/%SiO₂+2 mg/m³

OSHA PEL-TWA 10/%SiO₂+2 mg/m³

OSHA PEL-TWA 250/%SiO+5 mppcf

9. Physical And Chemical Properties

Appearance

Black Paste

Odor

Amine Odor

Chemical Type: Mixture

Physical State: Solid

Melting Point: N/AV °F

Boiling Point: N/AV °F

Specific Gravity: 1.68

Percent Volatiles: N/AV

Packing Density: 14.0 pounds/gallon

Vapor Pressure: N/AV

Vapor Density: >AIR

pH Factor: 12

Solubility: N/AV

Evaporation Rate: Slower than ether

10. Stability And Reactivity

Stability: Stable

Hazardous Polymerization: Will not occur

Conditions To Avoid (Stability)

None Known

MATERIAL SAFETY DATA SHEET

Sikadur 31, Hi Mod Gel - Part B

10. Stability And Reactivity - Continued

Incompatible Materials

Strong oxidizing materials, acids, and epoxy resins under uncontrolled conditions.

Hazardous Decomposition Products

CO, CO₂, Oxides of Nitrogen

Conditions To Avoid (Polymerization)

None Known

11. Toxicological Information

Conditions Aggravated By Exposure

Eye disease, skin disorders and allergies, chronic respiratory conditions.

Ingredient(s) - Carginogenicity

SILICA, QUARTZ

NTP - Listed On The National Toxicology Program

Listed In The IARC Monographs

12. Ecological Information

No Data Available...

13. Disposal Considerations

Dispose in accordance with applicable federal, state and local government regulations.

14. Transport Information

Proper Shipping Name

Not regulated by the USDOT.

15. Regulatory Information

U.S. Regulatory Information

All ingredients of this product are listed or are excluded from listing under the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

SARA Hazard Classes

Acute Health Hazard

Chronic Health Hazard

SARA Section 313 Notification

This product does not contain any ingredients regulated under Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 or 40 CFR 372.

State Regulations

WARNING: This product contains a chemical known to the State of California to cause cancer, birth defects, or other reproductive harm.

Ingredient(s) - State Regulations

BENZYL ALCOHOL

New Jersey - Workplace Hazard

Pennsylvania - Workplace Hazard

Massachusetts - Hazardous Substance

CALCIUM CARBONATE

Pennsylvania - Workplace Hazard

SILICA, QUARTZ

MATERIAL SAFETY DATA SHEET

Sikadur 31, Hi Mod Gel - Part B

15. Regulatory Information - Continued

Ingredient(s) - State Regulations - Continued

New Jersey - Workplace Hazard
Pennsylvania - Workplace Hazard
California - Proposition 65
Massachusetts - Hazardous Substance

16. Other Information

HMIS Rating

Health: 3

Fire: 1

Reactivity: 0

PPE: C

Revision/Preparer Information

MSDS Preparer: EHS Department

This MSDS Supercedes A Previous MSDS Dated: 04/16/2003

Disclaimer

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